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NOTICE OF ALLOWANCE AND FEE(S) DUE

22429

7590

06/02/2009

LOWE HAUPTMAN HAM & BERNER, LLP 1700 DIAGONAL ROAD SUITE 300 ALEXANDRIA, VA 22314

EXAMINER				
CHIESA, RICHARD L				
ART UNIT	PAPER NUMBER			
1797				

DATE MAILED: 06/02/2009

1					
	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/597,627	08/01/2006	Hiroshi Kitasako	4815-002	4049

TITLE OF INVENTION: GAS-LIQUID DISSOLVING APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless corrected aintenance fee notifical	correspondence including ed below or directed oth	ig the Patent, advance of the lerwise in Block 1, by (a	rders and notification of a) specifying a new corn	maintenance fees we espondence address;	rill be n and/or	nailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDI	ENCE ADDRESS (Note: Use Bl	ock 1 for any change of address)	Fe	e(s) Transmittal. Thi	s certifi	cate cannot be used for	domestic mailings of the or any other accompanying it or formal drawing, must
1700 DIAGONA SUITE 300			I I St	Cer hereby certify that the lates Postal Service w	tificate is Fee(s	of Mailing or Transu) Transmittal is being	
ALEXANDRIA	, VA 22314						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTOR	RNEY DOCKET NO.	CONFIRMATION NO.
10/597,627 ITLE OF INVENTION	08/01/2006 : GAS-LIQUID DISSOI	LVING APPARATUS	Hiroshi Kitasako			4815-002	4049
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	09/02/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
CHIESA, R	ICHARD L	1797	261-029000	_			
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Address indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.							
PLEASE NOTE: Uni recordation as set forti (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ' ified below, no assignee oletion of this form is NO categories (will not be pr	data will appear on the T a substitute for filing a (B) RESIDENCE: (CIT	patent. If an assign n assignment. 'Y and STATE OR C	OUNTI	RY)	cument has been filed for
a. The following fee(s): Issue Fee Publication Fee (N	are submitted: To small entity discount p	4l permitted)	o. Payment of Fee(s): (Pl A check is enclosed Payment by credit c	ease first reapply ar ard. Form PTO-2038	y previ	iously paid issue fee s	hown above)
Advance Order - #	# of Copies		The Director is here overpayment, to De	oy authorized to char posit Account Numbe	ge the re r	equired fee(s), any def (enclose an	iciency, or credit any extra copy of this form).
a. Applicant claim	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lo				
OTE: The Issue Fee and terest as shown by the I	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than Office.	the applicant; a regi	stered a	ttorney or agent; or the	e assignee or other party in
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his collection of inform n application. Confident ubmitting the completed its form and/or suggesti ox 1450, Alexandria, V lexandria, Virginia 223	tiality is governed by 35 displication form to the ons for reducing this bur irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th O NOT SEND FEES OR	on is required to obtain on 1.14. This collection is a depending upon the independent of fire COMPLETED FORMS.	retain a benefit by the stimated to take 12 re ividual case. Any co- cer, U.S. Patent and TO THIS ADDRESS	he publi ninutes mments Tradem . SEND	c which is to file (and to complete, including on the amount of tin ark Office, U.S. Depa 0 TO: Commissioner fo	by the USPTO to process) gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/597,627	08/01/2006	Hiroshi Kitasako	4815-002	4049
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LOWE HAUPTMAN HAM & BERNER, LLP			CHIESA, R	ICHARD L
1700 DIAGONAL	ROAD		ART UNIT	PAPER NUMBER
SUITE 300 ALEXANDRIA, VA 22314			1797 DATE MAILED: 06/02/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 537 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 537 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/597,627	KITASAKO ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Richard L. Chiesa	1797		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is s	this application. If not included inication will be mailed in due course. THIS		
1. This communication is responsive to the amendment, subs	stitute specification, and drav	<u>ving filed on May 20, 2009</u> .		
2. ☑ The allowed claim(s) is/are <u>claims 1-15</u> .				
 Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☒ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☒ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicatio	n No		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 				
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date (learning indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deponsion of the deponsion of	son's Patent Drawing Review s Amendment / Comment or .84(c)) should be written on the he header according to 37 CF sit of BIOLOGICAL MATE	in the Office action of ne drawings in the front (not the back) of R 1.121(d). ERIAL must be submitted. Note the		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	5. ☐ Notice of Int 6. ☐ Interview So Paper No./ 7. ☑ Examiner's	formal Patent Application ummary (PTO-413), Mail Date Amendment/Comment		
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	9. Other	8.		

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicants, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

The application has been amended as follows:

The substitute specification filed on May 20, 2009 has been entered.

The replacement drawing filed on May 20, 2009 has been approved by the examiner and

entered.

Upon review, the other drawings in this case do not need to be labelled at the top with the

expression -- Replacement Sheet-- because these drawings (filed August 1, 2006) are the original

drawings in the application and are approved by the examiner.

2. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Richard L. Chiesa whose telephone number is (571) 272-1154.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Duane S. Smith, can be reached at (571) 272-1166.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Technology Center 1700 receptionist whose telephone number is (571) 272-1700.

Facsimile correspondence must be transmitted through (571) 273-8300.

Application/Control Number: 10/597,627

Art Unit: 1797

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Richard L. Chiesa May 29, 2009

/Richard L. Chiesa/ Primary Examiner Art Unit 1797